

Appl. No. 10/662,018
Amdt Dated September 28, 2005
Reply to Office Action June 28, 2005

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (currently amended): A heat dissipation assembly comprising:
a heat sink comprising a plurality of radial fins, a circumferential groove being defined in an end portion of the heat sink;
a fan; and

a fan holder defining an opening in communication with both the fan and the heat sink, a plurality of securing portions formed from a side of the fan holder and comprising inward flanges received in the groove of the heat sink, inner faces respectively defined in inner sides of the flanges and cooperatively defining a circle having a diameter substantially the same as a diameter of the heat sink measured at the groove, one of the flanges having an inner protrusion extending from the inner face thereof, the inner protrusion disposed between two of the fins.

Claim 2 (original): The assembly of claim 1, wherein a plurality of pins and hooks extends from an opposite side of the fan holder, the pins and the hooks cooperatively securing the fan to the fan holder with respect to all three Cartesian axes.

Claim 3 (original): The assembly of claim 2, wherein the fan comprises a

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frame defining a plurality of locating holes therein, the pins of the fan holder being inserted in the locating holes for preventing the fan from moving in directions parallel to the fan holder.

Claim 4 (original): The assembly of claim 2, wherein the hooks sandwich the fan against the fan holder.

Claim 5 (original): The assembly of claim 4, wherein the hooks each comprise a stopping face parallel to and spaced from said opposite side of the fan holder, the stopping faces preventing the fan from moving away from the fan holder.

Claim 6 (original): The assembly of claim 1, wherein said securing portions comprise a locating portion and a pair of opposing locking portions perpendicular to the locating portion and adjacent opposite ends of the locating portion respectively.

Claim 7 (original): The assembly of claim 6, wherein said flanges comprise a locating flange extending from a top of the locating portion, and a pair of locking flanges extending from tops of the locking portions respectively.

Claim 8 (currently amended): The assembly of claim 7, wherein said faces comprise an arcuate locating face is defined in ~~an~~ the inner side of the locating flange, an a pair of arcuate locking ~~face is~~ faces respectively defined

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~~in an the inner sides of each of the locking flanges, and the locating face and the locking faces cooperatively define a circle have a diameter substantially the same as an inner diameter of the heat sink in the groove.~~

Claim 9 (original): The assembly of claim 8, wherein a leading face is defined at an inner side of each of the locking flanges distal from the locating portion, and the heat sink is received onto the fan holder via the leading faces.

Claim 10 (original): The assembly of claim 9, wherein the leading face and the locking face of each of the locking flanges together span an entire length thereof.

Claim 11 (original): The assembly of claim 8, wherein the protrusion is formed on a middle of the locating face, for preventing the heat sink from rotating.

Claim 12 (original): The assembly of claim 1, wherein the flanges are parallel to and spaced from the fan holder.

Claim 13 (currently amended): A heat dissipation assembly comprising:
a heat sink comprising a plurality of spaced fins, the fins defining a circumferential groove at an end portion of the heat sink, the heat sink defining an inner periphery in the groove;

a fan; and

a fan holder comprising a bracket having the fan secured to one side

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thereof, the bracket at an opposite side thereof comprising a locating flange and a pair of opposite locking flanges and a locating flange between the locking flanges at an opposite side thereof, the locking and locating flanges being parallel to the bracket and being received in the groove with inner sides of the locking and locating flanges abutting the inner periphery of the heat sink, the locating flange forming an inner protrusion received between adjacent two of the fins to prevent the heat sink from rotating, wherein said end portion of the heat sink is disposed between the bracket and the flanges.

Claim 14 (original): The assembly of claim 13, wherein the locking flanges are substantially perpendicular to the locating flange.

Claim 15 (original): The assembly of claim 14, wherein the locking flanges each define a leading face distal from the locating flange, and the heat sink is received onto the fan holder via the leading faces.

Claims 16-17 (canceled)

Claim 18 (new): A method of assembling a fan holder and a heat sink together, comprising steps of:

providing a heat sink with a cylindrical configuration including a plurality of fins outwardly radially extending from an imaginary axis, wherein a circumferential groove formed in edges of one end portions of said fins, the heat sink defining an inner periphery in the groove;

providing a fan holder comprising a pair of curved locking flanges and

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a curved locating flange between the locking flanges;

having the inner periphery riding along the locking flanges toward the locating flange to resiliently deform the locking flanges away from each other; and

having the inner periphery snapped between the locking flanges and having the locating flange received in the groove and abutting against the inner periphery of the heat sink.

Claim 19 (new): The method of claim 18, wherein the locating flange forms an inner protrusion received between adjacent two of the fins of the heat sink to prevent the heat sink from rotating.

Claims 20 (new): The method of claim 18, wherein the locking flanges and the locating flange commonly form an inner periphery dimensioned substantially the same as the outer periphery of the heat sink in the groove.

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